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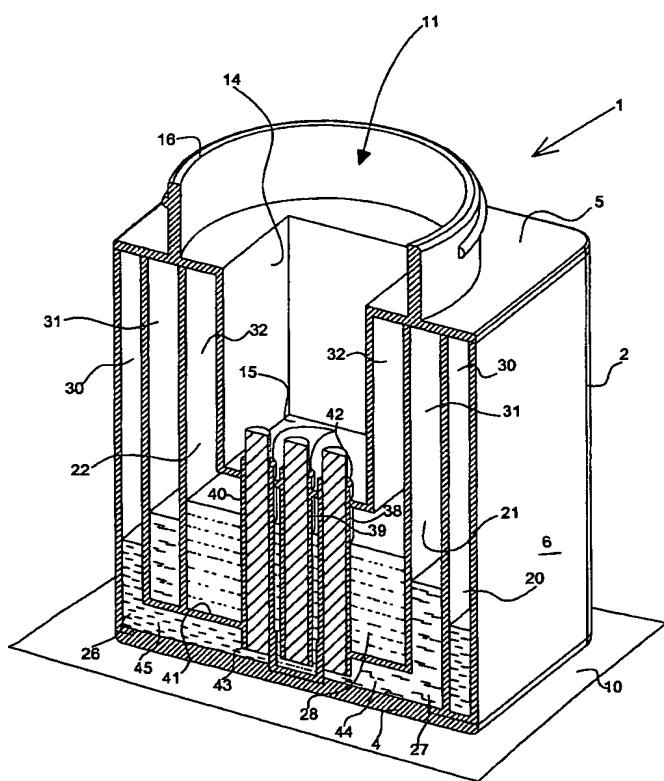
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(54) Title: DEVICE FOR STORING AND SIMULTAEOUSLY REFILLING WITH DIFFERENT COLOUR INKS A CARTRIDGE OF A COLOUR PRINthead



(57) Abstract: The device comprises a container (2), in which is arranged a housing (14) borne by an upper wall (5) of the container (2), suitable for storing a colour cartridge (8) to be refilled; the container (2) also comprises at least three tanks (20, 21, 22) containing the different colour inks; the three tanks (20, 21, 22) are substantially shaped as concentrical cylinders. More particularly, the outer tank (20) completely encompasses the intermediate tank (21), and both are arranged concentrically around the central tank (22). In the operating position, i.e. with the container (2) in the vertical position, the ink is contained in the bottom part of each of the tanks (20, 21, 22), in corresponding feeding compartments (26, 27, 28); each of the tanks (20, 21, 22) extends upwardly, i.e. in the direction of the upper wall (5), forming corresponding back-flow compartments (30, 31, 32), concentrical and disposed ring-like about the housing (14), each of which communicates freely with the corresponding feeding compartment below (26, 27, 28). The cartridge (8) is fed by three capillary elements (34, 35, 36) of a spongy material, inserted in corresponding cylindrical pipes (38, 39, 40), arranged vertically inside the container (2) and attached at the top to the bottom wall (15) of the housing (14). By inclining the container (2) laterally, or turning it upside down, the inks flow into the back-flow compartments (30, 31, 32), and no longer wet the capillary elements (34, 35, 36), so that the transfer of ink through these stops.



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